Table 1: October 15, 1997 - Subsystem Status.

SS No.	SS Lead	Status	Problems
1.0	Escuadra /Cooper	• Completing development of the Release 2 flight ready system. (Anselmo, Cooper, Escuadra, Hess, Rodier, Spence) • Working to add Instrument parameters to the User's Guide. (Hess) • Integrating updates to the Output Product Manager into the system. (Escuadra) • Updating BDS metadata in new Output Product Manager. (Rodier) • Working on centroid version of the Elevation Offset analysis. (Spence) • Continue updates to the Radiance Spreadsheet to add Second Time Constant for verification of the new radiance algorithms. (Filer) • Updating Test Plan for new delivery. (Filer) • Code for Diagnostic Data processing verified. (Anselmo, Cooper, Hess) • Testing the PCF generator that takes a file as input for the LaTIS system. Several problems have been found and are being fixed. (Brown)	
2.0	Chang	• Modified PC file templates and PC file generators to use CERES required file names. (Chang) • Evaluated CERES Software bulletin 97-11 and met with Maria and Sandy concerning PC file generation at LaTIS. (Chang) • Modified PC file templates and PC file generators to include LaTIS required run-time parameters. (Chang) • Modifying all ERBE-like programs to retrieve the newly added run-time parameters from the new PC files. (Chang) • Provided Richard a read program for the new LW ADMs files used in ERBE data reprocessing. (Chang) • Modified 3-channel intercomparison off-line code and produced output results using S8 unfiltered values for Richard. (Chang) • Continued supporting Richard on evaluating ES8 and the 3-channel intercomparison output results from the ERBE data reprocessing. (Chang)	

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SS No.	SS Lead	Status	Problems
2.0	Chang	(continued) • Wrote scripts to integrate the ES8 and ES4 plotting software into the ERBE-like Subsystems for TRMM data processing. (Liu) • Developing scripts, C programs, and web pages for 60 months ERBE reprocessing plots and the ERBE-like ERBE differences plots from Tak. (Liu) • Created a set of TRMM spectral correction coefficients. (Flug) • Updated the ES-8 dump program to read in the current format of the ES-8. (Flug) • Generated new composite snow maps using the SSM/I data for the Southern Hemisphere to allow for the monhtly changes in the snow and ice over the Southern Hemisphere. (Kizer) • Working on metadata subroutines in the ERBE-like programs. (Snell) • Produced 3-channel intercomparison output from off-line code to compare with on-line erbelike reprocessing output for Richard. (Snell) • Modified 3-channel intercomparison off-line code to print out LW flux at TOA for Richard. (Snell) • Provided Jim an ES8_HDF read program and an example of its output. (Snell)	
3.0	Chang	• Combined with above.	

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SS No.	SS Lead	Status	Problems
4.1	Murray	• Worked on entries in the Release 3 Data Products Catalog. (All) • Worked at improving correlated-K execution in the Framework. Reduced the number of calls per chunk by eliminating repetition and designing interim storage for the CorrK profiles. (Sun-Mack) • Validated update albedo functionality over first 10 days. Worked with DX to see the differences between the updated albedo and start-up albedo maps. (Sun-Mack) • Worked with Qing Trepte to set up an environment where the CERES Cloud Mask code could be run off-line for validation. (Sun-Mack) • Worked with Yan Chen to produce albedo and albedo std start-out maps. Validated and delivered several versions. (Sun-Mack) • Generalized the VIRS metadata browse program to read any metadata written by CERES (binary or HDF) and delivered the code to cereslib. (McIntire) • Worked with Sharon Gibson on QC report visualization package. (McIntire) • Completed design and coding of gridded and binned QC modules using a common data type between the 2 modules. Initiated and completed testing. (McIntire) • Worked to meet the deadlines for the 1 Month Test. Completed production of 3 days of SSFs to pass to sarb. (Murray) • Continued work on the PCFile generator for DAAC usage. (Murray)	
4.2	Murray	• Combined with above.	
4.3	Murray	• Combined with above.	

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SS No.	SS Lead	Status	Problems
4.4	McKinley	• Coordinated with Erika Geier on update requirements for Data Products Catalog entries for SSF. (McKinley) • Passed four days of Narrowband Tropical Longwave Constant on four days of AVHRR data in October 1986 to Richard Green for review. (Miller) • Started to modify binary QC record to eliminate variables crossing word boundaries. (Miller) • Approved four days of processed SSF for SARB monthly test. (McKinley) • Started testing on SSF range checking subroutine. (Miller, Dunton) • Integrated setting of automatic QA flags and exit codes within convolution. (Miller) • Tested new ssf structure. Implemented science data files (previously hard coded) with versioning. (Miller) • Implemented code for Metadata files and header. Identified problem and solution for metadata wrapper when writing nonHDF metadata header when no input files were present. (Hyer, Miller) • Rearranged the order of files check to minimize the number of files that would be generated if the run ended prematurely. Documented potential errors and exiting procedures that would result. (Miller)	

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SS No.	SS Lead	Status	Problems
4.5	Nolan	• Initiated testing of Release 2 Subsystem 4.5 and 4.6 code using the SGI 7.1 compiler and Toolkit 5.2 on samantha. A bug was found in the SGI 7.1 version of TK5.2 on samantha which causes direct access files to be opened with an incorrect record length. The TK5.2 was reinstalled on samantha. The code then tested successfully using TK5.2 and the SGI 7.1 compiler. (Nolan and Franklin) • Continued work on a new SW Surface Flux Model B module using the Staylor Algorithm. (Nolan) • Continued work on two new Inversion subroutines. The first calculates the new temperature contrast parameter on the SSF. The second performs a three channel intercomparison check. (Nolan) • Completed work on PCF generator and ASCII file generator for PGE 4.5-6.1P1, which are being used as the examples in the PCF Generator Software Bulletin. (Nolan) • Continued preparing the code that creates a Vdata for all CERES HDF products for delivery to CERESlib. (Franklin) • Continued work to create a module for reading and writing the SSF metadata. (Franklin) • Continued prologue documentation and testing of the SSF to HDF post processor software. (Franklin) • Modified the document that defines the SSF's HDF file to rearrange the parameters in the 23rd SDS and to change the range of cone rate. (Franklin) • Recompiled and tested successfully the inversion code on "blizzard" using the new ssf_typdef and an interim SSF created using the new ssf_typdef code. (Franklin)	
4.6	Nolan	• Combined with above.	
5.0	Coleman	• Found and fixed problem that caused core dump during DAAC testing for Milestone 6. (Gupta) • Testing with Toolkit 5.2 on samantha. (Gupta) • Prepared script to assist in 3-day evaluation test, and began using it. (Gupta) • Began preparing CRS/SYN parameter definitions for User's Guides. (Coleman) • Began updating DPC listing for the CRS. (Coleman)	

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SS No.	SS Lead	Status	Problems
7.2	Coleman	• Combined with above.	
12.0	Coleman	• Continued implementation of meta data for MOA. (Kizer) • Began looking into updating to F90 the contributed code used in processing NCEP backup data. (Kizer) • Began collecting feedback from MOA scientists on draft User's Guide definitions. (Coleman) • Began updating DPC listings for MOA, APD, OPD, GAP, and MWH. (Coleman)	
7.1	Jimenez	• Combined with below.	
8.0	Jimenez	• Combined with below.	
10.0	Jimenez	• Testing zonal/global averaging routines. (Jimenez) • Preparing read software for the SRBAVG to give to Georgia for plotting. (Jimenez) • Began adding code for the new directional models to be used for surface albedos. (Jimenez) • Attempted to compile code with SGI 7.1 and found several modules that do not compile, however, the same code will compile with SGI 7.2. We will continue using NAG32 if the problems cannot be resolved, or until we can switch to SGI 7.2. (Raju) • Began updating PCF Generator script to get input/ output file names. (Raju) • Began examining the consistency of error handling, and the QA flag. (Raju, Jimenez)	
6.0	McKoy	• Updated the TISA Gridding post-processor to use the Release 2 FSW and SFC I/O modules. (McKoy) • Began updating the TISA Gridding processing scripts and implementing the PCF generators (McKoy). • Continued testing the algorithms for the column averaged cloud properties. (Jimenez, McKoy) • Continued updating the type definitions and averaging routines within the code. (McKoy) • Began modifying the TISA Gridding main processor software to handle the month boundary problem. (Nyguen) • Began studying the code to determine where to make changes to handle the file boundary problem (McKoy)	

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SS No.	SS Lead	Status	Problems
9.0	McKoy	• Combined with above.	
11.0	Stassi/ Fan	• Modified GGEO test plan and Test Plan document. Delivered subsystem to CM. It was later delivered to the DAAC. (Stassi) • Modified the generator for the PCF text file (input to the PCF generator) so that it automatically grabs input file names from the files in the data/input directory. (Stassi)	
CERESlib Stassi/ Fan		• Investigated the exit code issue. (Mitchum, Fan, Stassi) • Found Toolkit 32-bit version is incomplete for reading metadata. (Fan, Kizer) • Helped team members with metadata implementation. (Fan) • Modified meta_util module to (1) build in the ability for user PSA to overwrite the baseline PSA, (2) handle the situation where there are no input files, and (3) build in more size checking of user provided array for receiving the metadata output. (Fan)	
CM	Ayers	• Delivered CERESlib and GGEO (Subsystem 11.0) to the DAAC. (Ayers, McKoy)	
IST	Flug	• Working on correcting a problem in the automated procedure that updates the database. The procedure does not update the database properly when it encounters duplicate snap file names. (Flug)	